

L Number	Hits	Search Text	DB	Time stamp
1	561	ionic adj liquid	USPAT; US-PGPUB	2004/03/16 16:11
2	813	ionic adj liquid	USPAT; US-PGPUB;	2004/03/16 16:21
3	7	(ionic adj liquid) and (wellbore or (well adj bore))	DERWENT USPAT; US-PGPUB;	2004/03/16 16:12
4	9	ionic adj liquid and (barium adj sulfate)	DERWENT USPAT; US-PGPUB; DERWENT	2004/03/16 16:21

\* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \*

<u>NEWS 1</u>	Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>	"Ask CAS" for self-help around the clock
<u>NEWS 3</u> SEP 09	CA/CAplus records now contain indexing from 1907 to the present
<u>NEWS 4</u> DEC 08	INPADOC: Legal Status data reloaded
<u>NEWS 5</u> SEP 29	DISSABS now available on STN
<u>NEWS 6</u> OCT 10	PCTFULL: Two new display fields added
<u>NEWS 7</u> OCT 21	BIOSIS file reloaded and enhanced
<u>NEWS 8</u> OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
<u>NEWS 9</u> NOV 24	MSDS-CCOHS file reloaded
<u>NEWS 10</u> DEC 08	CABA reloaded with left truncation
<u>NEWS 11</u> DEC 08	IMS file names changed
<u>NEWS 12</u> DEC 09	Experimental property data collected by CAS now available in REGISTRY
<u>NEWS 13</u> DEC 09	STN Entry Date available for display in REGISTRY and CA/CAplus
<u>NEWS 14</u> DEC 17	DGENE: Two new display fields added
<u>NEWS 15</u> DEC 18	BIOTECHNO no longer updated
<u>NEWS 16</u> DEC 19	CROPU no longer updated; subscriber discount no longer available
<u>NEWS 17</u> DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
<u>NEWS 18</u> DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
<u>NEWS 19</u> DEC 22	ABI-INFORM now available on STN
<u>NEWS 20</u> JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
<u>NEWS 21</u> JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
<u>NEWS 22</u> FEB 05	German (DE) application and patent publication number format changes
<u>NEWS 23</u> MAR 03	MEDLINE and LMEDLINE reloaded
<u>NEWS 24</u> MAR 03	MEDLINE file segment of TOXCENTER reloaded
<u>NEWS 25</u> MAR 03	FRANCEPAT now available on STN
<u>NEWS EXPRESS</u>	MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
<u>NEWS HOURS</u>	STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>	General Internet Information
<u>NEWS LOGIN</u>	Welcome Banner and News Items
<u>NEWS PHONE</u>	Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>	CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 16:26:38 ON 16 MAR 2004

=> file caplus encomplit

FILE 'ENCOMPLIT' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 16:27:09 ON 16 MAR 2004

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FILE COVERS 1907 - 16 Mar 2004 VOL 140 ISS 12  
 FILE LAST UPDATED: 15 Mar 2004 (20040315/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s ionic liquid and (wellbore or well bore)
  238246 IONIC
  648253 LIQUID
    720 IONIC LIQUID
      (IONIC(W)LIQUID)
    1331 WELLBORE
  1491295 WELL
    13332 BORE
    916 WELL BORE
      (WELL(W)BORE)
L1          0 IONIC LIQUID AND (WELLBORE OR WELL BORE)
```

```
=> ionic liquid and scale
IONIC IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).
```

```
=> s ionic liquid and scale
  238246 IONIC
  648253 LIQUID
    720 IONIC LIQUID
      (IONIC(W)LIQUID)
  318465 SCALE
L2          15 IONIC LIQUID AND SCALE
```

```
=> s l2 and barium sulfate
  220106 BARIUM
  454865 SULFATE
    10072 BARIUM SULFATE
      (BARIUM(W)SULFATE)
L3          0 L2 AND BARIUM SULFATE
```

=> d l2 1-15

L2 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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AN 2003:684232 CAPLUS  
 DN 140:9550  
 TI The electrodeposition of germanium from an ionic liquid: A mini-review on the nanoscale processes  
 AU Endres, Frank  
 CS Institute of Physical Chemistry, Universitaet Karlsruhe (TH), Karlsruhe, D-76128, Germany

SO Proceedings - Electrochemical Society (2002), 2002-19(Molten Salts XIII),  
677-689  
CODEN: PESODO; ISSN: 0161-6374  
PB Electrochemical Society  
DT Journal; General Review  
LA English  
RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text  Citing References

AN 2003:600578 CAPLUS  
DN 139:267039  
TI In Situ STM and STS Study of Co and Co-Al Alloy Electrodeposition from an Ionic Liquid  
AU Zell, C. A.; Freyland, W.  
CS Institute of Physical Chemistry, Physical Chemistry of Condensed Matter, University of Karlsruhe, Karlsruhe, D-76128, Germany  
SO Langmuir (2003), 19(18), 7445-7450  
CODEN: LANGD5; ISSN: 0743-7463  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 3 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text  Citing References

AN 2003:526992 CAPLUS  
DN 139:324045  
TI Application of weakly oriented non-ionic liquid crystal solvents to NMR studies of poly(ethylene oxide) (PEO)  
AU Liu, Pin-Hsiu; Ding, Shangwu  
CS Department of Chemistry and Center for Nanoscience and Nanotechnology, National Sun Yat-Sen University, Kaohsiung, 80424, Taiwan  
SO Journal of the Chinese Chemical Society (Taipei, Taiwan) (2003), 50(2), 201-204  
CODEN: JCCTAC; ISSN: 0009-4536  
PB Chinese Chemical Society  
DT Journal  
LA English

RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text  Citing References

AN 2003:388903 CAPLUS  
DN 139:239034  
TI Cleavage of aromatic methyl ethers by chloroaluminate ionic liquid reagents  
AU Kemperman, Gerardus J.; Roeters, Theodorus A.; Hilberink, Peter W.  
CS Department of Process Chemistry, N. V. Organon, Oss, 5340 BH, Neth.  
SO European Journal of Organic Chemistry (2003), (9), 1681-1686  
CODEN: EJOCFK; ISSN: 1434-193X  
PB Wiley-VCH Verlag GmbH & Co. KGaA  
DT Journal  
LA English  
OS CASREACT 139:239034

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text  Citing References

AN 2003:178863 CAPLUS  
 TI Investigation of fluorescence quenching behavior within room-temperature  
**ionic liquid**-based solvent systems  
 AU Fletcher, Kristin A.; Pandey, Siddharth  
 CS Department of Chemistry, New Mexico Institute of Mining and Technology,  
 Socorro, NM, 87801, USA  
 SO Abstracts of Papers, 225th ACS National Meeting, New Orleans, LA, United  
 States, March 23-27, 2003 (2003), ANYL-154 Publisher: American Chemical  
 Society, Washington, D. C.  
 CODEN: 69DSA4  
 DT Conference; Meeting Abstract  
 LA English

L2 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text     Citing References

AN 2002:635741 CAPLUS  
 DN 137:294908  
 TI Microwave-Assisted Synthesis of Room-Temperature **Ionic Liquid**  
 Precursor in Closed Vessel  
 AU Khadilkar, Bhushan M.; Rebeiro, Geeta L.  
 CS Organic Chemistry Laboratory Applied Chemistry Division, University  
 Institute of Chemical Technology, Mumbai, 400 019, India  
 SO Organic Process Research & Development (2002), 6(6), 826-828  
 CODEN: OPRDFK; ISSN: 1083-6160  
 PB American Chemical Society  
 DT Journal  
 LA English  
 RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 7 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text     Citing References

AN 2002:616994 CAPLUS  
 TI Commercial **ionic liquid** production  
 AU Hilgers, Claus  
 CS Solvent Innovation, 50679 Koln, Germany  
 SO Abstracts of Papers, 224th ACS National Meeting, Boston, MA, United  
 States, August 18-22, 2002 (2002), IEC-007 Publisher: American Chemical  
 Society, Washington, D. C.  
 CODEN: 69CZPZ  
 DT Conference; Meeting Abstract  
 LA English

L2 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text     Citing References

AN 2002:590878 CAPLUS  
 DN 138:189732  
 TI Solvent-free route to **ionic liquid** precursors using a water-moderated  
 microwave process  
 AU Law, Man Chun; Wong, Kwok-Yin; Chan, Tak Hang  
 CS Institute of Molecular Technology for Drug Discovery and Synthesis,  
 Department of Applied Biology and Chemical Technology, Open Laboratory for  
 Chiral Technology, The Hong Kong Polytechnic University, Hong Kong SAR,  
 Peop. Rep. China  
 SO Green Chemistry (2002), 4(4), 328-330  
 CODEN: GRCHFJ; ISSN: 1463-9262  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text     Citing References

AN 2002:412786 CAPLUS  
 DN 137:116036  
 TI Reference Potential Calibration and Voltammetry at Macrodisk Electrodes of Metallocene Derivatives in the Ionic Liquid [bmim][PF6]  
 AU Hultgren, Victoria M.; Mariotti, Andrew W. A.; Bond, Alan M.; Wedd, Anthony G.  
 CS School of Chemistry, Monash University, 3800, Australia  
 SO Analytical Chemistry (2002), 74(13), 3151-3156  
 CODEN: ANCHAM; ISSN: 0003-2700  
 PB American Chemical Society  
 DT Journal  
 LA English  
 RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text     Citing References

AN 2002:287183 CAPLUS  
 DN 137:11568  
 TI Solvation Dynamics of Coumarin-153 in a Room-Temperature Ionic Liquid  
 AU Karmakar, Rana; Samanta, Anunay  
 CS School of Chemistry, University of Hyderabad, Hyderabad, 500 046, India  
 SO Journal of Physical Chemistry A (2002), 106(18), 4447-4452  
 CODEN: JPCAFH; ISSN: 1089-5639  
 PB American Chemical Society  
 DT Journal  
 LA English  
 RE.CNT 57 THERE ARE 57 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text     Citing References

AN 2002:286579 CAPLUS  
 DN 137:131224  
 TI Nanoscale electrodeposition of germanium on Au(111) from an ionic liquid: an in situ STM study of phase formation. Part I. Ge from GeBr<sub>4</sub>  
 AU Endres, Frank; Zein El Abedin, Sherif  
 CS Institute for Physical Chemistry, University of Karlsruhe, Karlsruhe, D-76128, Germany  
 SO Physical Chemistry Chemical Physics (2002), 4(9), 1640-1648  
 CODEN: PPCPFQ; ISSN: 1463-9076  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

Full Text     Citing References

AN 2001:528421 CAPLUS  
 DN 135:309908  
 TI Electrodeposition of a thin germanium film on gold from a room temperature ionic liquid  
 AU Endres, Frank  
 CS Institute for Physical Chemistry, University of Karlsruhe, Karlsruhe, D-76128, Germany  
 SO Physical Chemistry Chemical Physics (2001), 3(15), 3165-3174  
 CODEN: PPCPFQ; ISSN: 1463-9076  
 PB Royal Society of Chemistry  
 DT Journal  
 LA English  
 RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD

## ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

 Full Text     Citing References

AN 1992:240098 CAPLUS  
 DN 116:240098  
 TI Disordered Madelung potentials and the electronic structure of **ionic liquid** alloys, with application to cesium-gold ( $Csy[CsAu]_{1-y}$ )  
 AU Logan, David E.; Siringo, Fabio  
 CS Phys. Chem. Lab., Univ. Oxford, Oxford, OX1 3QZ, UK  
 SO Journal of Physics: Condensed Matter (1992), 4 (14), 3695-717  
 CODEN: JCOMEL; ISSN: 0953-8984  
 DT Journal  
 LA English

L2 ANSWER 14 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

 Full Text     Citing References

AN 1986:216959 CAPLUS  
 DN 104:216959  
 TI Thermotropic **ionic liquid** crystals. V. Deuterium NMR study of sodium n-alkanoates  
 AU Phillips, M. L.; Barbara, T. M.; Plesko, S.; Jonas, J.  
 CS Dep. Chem., Sch. Chem. Sci., Urbana, IL, 61801, USA  
 SO Journal of Chemical Physics (1986), 84 (9), 5143-51  
 CODEN: JCPSA6; ISSN: 0021-9606  
 DT Journal  
 LA English

L2 ANSWER 15 OF 15 CAPLUS COPYRIGHT 2004 ACS on STN

 Full Text     Citing References

AN 1966:469002 CAPLUS  
 DN 65:69002  
 OREF 65:12870h,12871a-b  
 TI The importance of the metastable liquid state and glass transition phenomenon to transport and structure studies in ionic liquids. I. Transport properties  
 AU Angell, C. Austen  
 CS Chem. Div., Argonne Natl. Lab., Argonne, IL  
 SO Journal of Physical Chemistry (1966), 70 (9), 2793-803  
 CODEN: JPCHAX; ISSN: 0022-3654  
 DT Journal  
 LA English

=> s **ionic liquid and subterranean**
 238246 IONIC  
 648253 LIQUID  
 720 IONIC LIQUID  
 (IONIC(W)LIQUID)

 4712 SUBTERRANEAN  
 0 IONIC LIQUID AND SUBTERRANEAN

=&gt;